BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094P049

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Siviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opeing Number

○12 - opening number valid for BCGS mapsheet   *blank* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
/L - Multi-layered stand (a separate description of each layer is availiable in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compsition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.5 dataed January 2009.

NATIVE CONIFERS
C CEDAR
Cw Western Red Cedar
Y CYPRESS
Yc Yellow Cedar
F DOUGLAS FIR
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
B FIR (Balsam)
Ba Amabilis Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
H HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hxm Mountain x Western Hemlock hydrid
J JUNIPER
Jr Rocky Mtn. Juniper
Js Seaside Juniper
L LARCH
La Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pf Limber Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (interior)
Pxj Lodgepole x Jack Pine hybrid
Py Ponderosa Pine (yellow)
Plc Shore Pine (coast)
Pw Western White Pine
Pa Whitebark Pine
S SPRUCE
Sb Black Spruce
Se Engelmann Spruce
Ss Sitka Spruce
Sw White Spruce
Sx Spruce hybrid
Sxw Engelmann x White
Sxl Sitka x White
Sxs Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
U APPLE
Up Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
Ac Poplar
Acb Balsam Poplar
Act Black Cottonwood
Ax hybrid Poplars
At Trembling Aspen
R ARBUTUS
Ra Arbutus
E BIRCH
Ea Alaska Paper Birch
Exp Alaska x Paper Birch hybrid
Ep Paper Birch (white)
Ew Water Birch
K CASCARA
Kc Cascara
V CHERRY
Vb Bitter Cherry
Vv Choke Cherry
Vp Pin Cherry
G DOGWOOD
Gp Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
Q OAK
Qg Garry Oak
W WILLOW
Wb Bebb's Willow
Wp Pacific Willow
Wa Peachleaf Willow (Barclay's)
Wd Pussy Willow (gray-leaved)
Ws Scouler's Willow
Wt Sitka Willow (tea-leaved)

UNKNOWN - OTHER
X UNKNOWN
Xc unknown conifer
Xh unknown hardwood
Z OTHER (tree not on list)
Zc other conifer
Zh other hardwood

EXOTICS
APPLE
Ua Apple
ASPEN, COTTONWOOD or POPLAR
Ad *Southern Cottonwood
BIRCH
Ee European Birch
Es Silver Birch (swamp)
Ey *Yellow Birch
CHERRY
Vs Sweet Cherry
CYPRESS
Yp *Port Orford Cedar
FIR (Balsam)
Bb *Balsam Fir
Bp Noble Fir
Bm *Shasta Red Fir
Bc *White Fir
LARCH
Ld *Dahurian Larch
Ls *Siberian Larch
MAPLE
Me Box Elder
Mn *Norway Maple
Ms *Sycamore Maple
OAK
Qe *English Oak
Qw *White Oak
OTHER EXOTICS
Oa *Incense Cedar
Ob *Giant Sequoia
Oc *Coast Redwood
Od European Mountain Ash
Oe Siberian Elm (southern)
Of Common Pear
Og Oregon Ash
Oh *White Ash
Oi *Shagbarck Hickory
Oj Tree-of-heaven
Ok Japanese Walnut
PINE
Pm *Monterey Pine
Pr *Red Pine
Ps *Sugar Pine
SPRUCE
Sn *Norway Spruce

Line 4

4a AGE CLASS CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b HEIGHT CLASS CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
0	0 - 5
1	6 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX
All SI are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
st SHRUB TALL - shrub with average shrub height > or = to two metres.
sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
he HERB - herb with no distinction between forbs and graminoids.
hf HERB - FORBS - herb with forbs > 50% of the herb cover.
hg HERB - GRAMINOIDS - herb with gaminoids > 50% of the herb cover.

NON-TREED BRYOID
by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
el Exposed Land
ro Rock / Rubble
si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT
be BEACH
bl BLOCKFIELD
br BEDROCK
bu BURNED AREA
cb CUTBANK
es EXPOSED SOILS
gl GLACIER
gp GRAVEL PIT
la LAKE
lb LAVA BED
ll LANDING
ls POND or LAKE SEDIMENTS
mi OPEN PIT MINE
mn MORAINE
mu MUDFLAT SEDIMENT
mz RUBBLY MINE SPOILS
oc OCEAN
ot OTHER
pn SNOW COVER
re RESERVOIR
ri RIVER / STREAM
rm RESERVOIR MARGIN
rn RAILWAY SURFACE
rs RIVER SEDIMENTS
rz ROAD SURFACE
ta TALUS
tz TAILINGS
ur URBAN

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A ALPINE
AF ALPINE FOREST /Species
C CULTIVATED
CL CLAY BANK
G GRAVEL BAR
GR GRAVEL PIT
ICE ICEFIELD
M MEADOW
MUD MUD FLAT
NP NON PRODUCTIVE
NPBR NON PRODUCTIVE BRUSH
NPBU NON PRODUCTIVE BURN
NPF NON PRODUCTIVE FOREST /Species
NTA NO TYPING AVAILABLE
OR OPEN RANGE
P HAYFIELD
R ROCK
S SWAMP
SAND SAND
TIDE TIDAL FLAT
U URBAN
NC NON COMMERCIAL
NCBR NON COMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

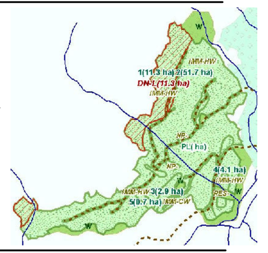
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

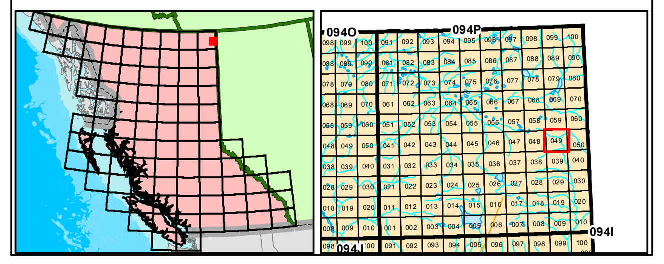
Example Opening History Details

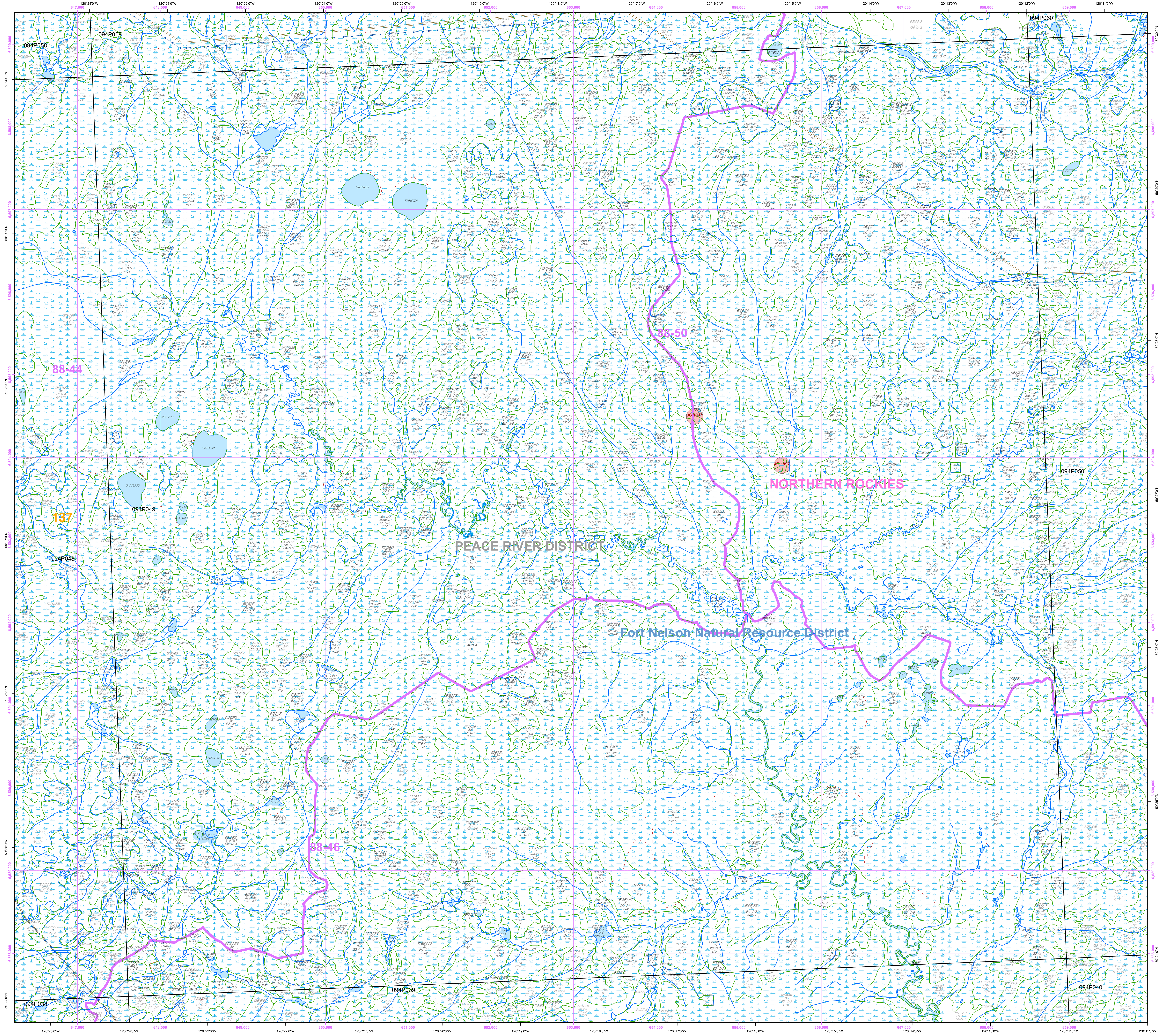
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

1515273 E,p(Sb) 414-0/7 sl
21480427 SbLt 712-0/4 by sl
63499766 SbE,p(Sw) 525-0/7 sl
81705373 SbLt 713-0/4 sl
1705778 At(SbAc) 437-0/17
51005142 Sb 512-0/3 sl he by
64510476 Sb 416-0/5 sl by
8869681 Sb 414-0/6 by sl
3015770 Sb 415-0/6 sl he
51045188 Sb(E,p) 415-0/6 sl
65756180 AtSbSw(E,p) 536-0/15 sl
82106390 At(SbSw) 536-0/15 by
3366489 At(SbSw) 537-0/16
51404719 SbLt 711-0/4 sl he by
66323140 AtSwSb(Ac) 535-0/17 sl
82483264 SbSw 725-0/8 sl
3886538 Sb 613-0/4 sl by
52273470 SbLt 511-0/5 sl he by
66679804 SbLt 517-0/7
82960978 Sb 712-0/4 sl he by
5475106 At(SbLt) 437-0/16
52456105 Sb 610-0/3 sl he by
67131272 Sb(Sw) 725-0/8 sl by
83440070 Sb(Sw) 515-0/6 sl by
5563961 Sb(E,pLtSw) 824-0/4 sl he
52593211 Sb(At) 517-0/6
67703889 Sb(SwAt) 616-0/5
83753403 Sb(Sw) 625-0/6 by
9003159 sl he li
52715544 Sb 614-0/4 sl he by
68462270 AtSbSw(E,p) 536-0/15 sl
84803125 SbSwPl 416-0/8
10303723 At(SwSb) 437-0/21
53441977 he sl
68479745 Sb 513-0/4 by sl he
84979949 Sb 414-0/6 by sl
11090087 E,pSb(Sw) 511-0/6 sl he
53597154 E,pSb 413-0/6 sl he
68535897 Sb(At) 315-0/9 sl by
85501903 Pl(AtSb) 227-0/15
12394357 Sb(Sw) 515-0/5 sl by
53621794 he sl
68653229 SwSb 620-0/9 sl he li by
86373920 Sb 824-0/5 sl by
12766649 At 438-0/18
53821608 SbE,pPl(At) 317-0/9
68916252 Sb(At) 315-0/9 sl by
86899928 SbLt(Sw) 516-0/7
14904683 SwSb(At) 735-0/11 sl by
53912781 AtSw(Sb) 437-0/17
69046174 Sb 616-0/5 sl
87729928 Sb 712-0/3 by sl
15776382 Sb 410-0/5 he sl la by
53952198 Sb 411-0/6 sl he by
69499766 SbLt(Sw) 514-0/5 sl he by la
87790021 SbSwLt) 625-0/6 sl
16256614 SbAtE,p 414-0/9 sl he
54141151 Sb(AtPl) 317-0/9
69844697 SbLt 413-0/5 sl by
88952817 Sb 415-0/6 sl
16506556 Sb 712-0/4 by sl bg
54210965 PlSbAt 327-0/14
70216092 Sb(Lt,E,pSw) 724-0/6 sl
90129939 Sb 712-0/3 by sl
17643330 Sb(At) 824-0/6 sl
54750787 SbE,p 525-0/8 sl by
70386274 Sb(At) 315-0/9 sl by
9183291 SbSw 825-0/7 sl by
17660139 SbLt 413-0/7 sl he
54840162 E,pSb(Sw) 625-0/7 sl
70986300 Sb 513-0/5 sl by
91356434 SbLt 513-0/5 sl he by
18114315 Sb 613-0/4 sl
54930496 SbE,pAt 414-0/5 sl by
71759781 SbLt(Sw) 514-0/5 sl he by la
91826172 At(SbSw) 636-0/15 sl
18144060 SwSb 330-0/23 sl
54999945 Sb(E,p) 416-0/8 sl
71878856 SbLt 314-0/7 sl by he
92656461 Sb(Lt) 413-0/6 sl he by
18463920 SwSb 533-0/15 sl
55499954 At(SbSw) 537-0/15
72811489 SbLt 411-0/5 sl he by
92756431 Sb 513-0/4 sl by
18533362 Sb 623-0/6 sl by
56030374 la sl he
74009905 SbLt 515-0/5 by
95805731 Sb(Lt) 611-0/3 sl he by
18542868 Sb 612-0/4 sl by
56309694 SbE,p(At) 516-0/7 sl
75043436 SbE,p(Lt) 411-0/5 sl he by
99324058 Sb(Sw) 815-0/4 sl
18563965 At(Sb) 538-0/21
56539821 SwSb 835-0/12 sl
75914698 Sb(SwE,p) 615-0/5 sl by
18643867 Sb(Lt) 515-0/6 sl by
56739712 Sb(E,p) 414-0/5 sl by
76022497 Sb 612-0/4 sl by he
18713767 Sb(Lt) 515-0/6 sl by
56850088 E,pSb(Sw) 413-0/7 sl
76345137 Sw(AtSb) 736-0/11
18803704 AtSb 438-0/20
57102236 he sl la by
77646366 At(SwSb) 636-0/17
18893156 Sb 615-0/4 by
57359742 Sb 714-0/4 sl he by
78285579 Sb(E,p) 515-0/5 sl
19193260 Sb 615-0/4 by
58171672 SbAt 417-0/8
78355423 SwSbE,p) 635-0/13 sl
19522886 Sb(Lt) 414-0/6 sl by
58402122 SbAt(Sw) 417-0/8
79753198 SbSw(AtPl) 417-0/6
19652655 Sb 724-0/5 sl by
58881941 SbAt(Sw) 427-0/9
80256365 At(Sw) 637-0/15
19942225 Sb 711-0/4 by sl
58997705 SwE,p(Sb) 834-0/10 sl
80749854 Sb 715-0/4 by
20351816 Sb 610-0/4 sl he
62223956 Sb(E,p) 515-0/5 sl by
80866274 Sb(SwLt) 624-0/6 sl by